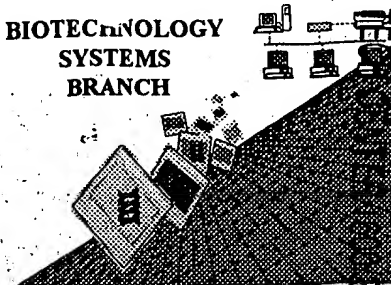


Kubel

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



MAY 09 2001

#7
RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/688,851

Source:

1638

Date Processed by STIC:

4/30/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1638

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/688,851

DATE: 04/30/2001
TIME: 13:30:10

Input Set : A:\PTO.txt
Output Set: N:\CRF3\04302001\I688851.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Staub, Jeffrey
4 Hajdukiewicz, Peter
5 Gilbertson, Larry
7 <120> TITLE OF INVENTION: Methods and vectors for site-specific recombination in plant cell
8 plastids
10 <130> FILE REFERENCE: 15868/02
12 <140> CURRENT APPLICATION NUMBER: 09/688851
13 <141> CURRENT FILING DATE: 2000-10-16
15 <160> NUMBER OF SEQ ID NOS: 5
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 34
21 <212> TYPE: DNA
22 <213> ORGANISM: Bacteriophage P1
24 <400> SEQUENCE: 1
25 ataacttcgt atagcataca ttatacgaag ttat
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 32
30 <212> TYPE: DNA
C--> 31 <213> ORGANISM: Artificial/Unknown
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: ()..()
36 <223> OTHER INFORMATION: synthetic construct
39 <400> SEQUENCE: 2
40 gggcatgccg ccagcgttca tcttgagcca gg
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 37
45 <212> TYPE: DNA
C--> 46 <213> ORGANISM: Artificial/Unknown
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: ()..()
51 <223> OTHER INFORMATION: synthetic construct
54 <400> SEQUENCE: 3
55 ggggatccca aattgacggg ttagtgtgag cttatcc
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 35
60 <212> TYPE: DNA
61 <213> ORGANISM: Nicotiana tabacum
63 <400> SEQUENCE: 4
64 ctattatatt agattagtat tagttagtga tcccg
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 37
69 <212> TYPE: DNA
C--> 70 <213> ORGANISM: Artificial/Unknown
72 <220> FEATURE:

invalid - Per 1.823 of Sequence Rules, the only valid <213> responses are:
Unknown, Artificial Sequence,
or
Scientific name
(Genus/species)
one of the
three - do
not combine
them

<223> response
of "synthetic construct"
implies
Artificial Sequence

RAW SEQUENCE LISTING DATE: 04/30/2001
PATENT APPLICATION: US/09/688,851 TIME: 13:30:10

Input Set : A:\PTO.txt
Output Set: N:\CRF3\04302001\I688851.raw

73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: ()..()
75 <223> OTHER INFORMATION: recombination junction of loxP site
78 <400> SEQUENCE: 5
79 ctattatatt agattagtgt atgctatacg aagttat

37

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/688,851

DATE: 04/30/2001

TIME: 13:30:11

Input Set : A:\PTO.txt

Output Set: N:\CRF3\04302001\I688851.raw

L:31 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:46 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:70 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5